

The following were donated by USDA, ARS, Colorado Agric. Exp. Station, Colorado, United States. Received 1978.

- PI 590655. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 902"; W6 17141. GP-41. Multigerm diploid ($2n = 2X = 18$) and mostly self-fertile, segregating for genetic male sterility (about 11% male sterile plants). Moderate resistance to *Cercospora* leaf spot (*Cercospora beticola* Sacc.) and the curly top virus. Flowers after short photothermal induction.
- PI 590656. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 703". GP-13. Breeding line. Diploid ($2n = 2X = 18$). Resistant to rhizoctonia root rot. Moderate resistance to *Cercospora* leaf spot. Multigerm. Mostly self sterile. Easy bolting.
- PI 590657. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 703(4X)". GP-14. Breeding line. Autotetraploid ($2n = 4X = 36$) equivalent of of FC 703. Resistant to rhizoctonia root rot. Moderate resistance to *Cercospora* leaf spot. Multigerm. Mostly self-sterile. Easy bolting.
- PI 590658. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 702/4". GP-55. Released 02/28/1978. Product of two cycles of recurrent selection for resistance to rhizoctonia root rot following 4 cycles of mass selection for resistance from a synthetic derived from an obsolete variety (GW 359). Breeding line. Diploid ($2n = 2X = 18$). Resistant to rhizoctonia root rot. Moderate resistance to *Cercospora* leaf spot. Multigerm. Mostly self sterile. Easy bolting.
- PI 590659. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 704". GP-54. Pedigree - 3 cycles of mass selection of a heterogen population known as German Red Beet. Roots, petioles, and leaves deep red. Relatively high root yield, but very low sucrose content and thin juice purity. Source population is the only *Beta vulgaris* germplasm found which has a significant amount of inherent resistance to rhizoctonia root rot. *Cercospora* leaf spot susceptible.
- PI 590660. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 705". GP-57. Released 02/28/1978. Breeding line. Diploid ($2n = 2X = 18$). Rhizoctonia root rot resistant. Moderate *Cercospora* leaf spot resistance. Multigerm. Mostly self sterile. Easy bolting.
- PI 590661. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 701". GP-1. Breeding line. Diploid ($2n=2X=18$). Resistant to rhizoctonia root rot. Moderate resistance to *Cercospora* leaf spot. Mostly self sterile. Multigerm. Mostly pink hypocotyl (99.5%) easy bolting.
- PI 590662. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 702". GP-2. Breeding line. Diploid ($2n=2X=18$). Resistant to rhizoctonia root rot. Moderate resistance to *Cercospora* leaf spot. Multigerm. Mostly self sterile. 40% pink hypocotyl. Easy bolting.
- PI 590663. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 701/4". GP-11. Product of two cycles of recurrent selection for resistance following four cycles of mass selection from GW 674-56C (former commercial variety adapted in the irrigated high plains). Breeding line. diploid ($2n=2X=18$). Resistant to rhizoctonia root rot. Moderate resistance to *Cercospora* leaf spot. Multigerm. Mostly self sterile. Easy bolting.
- PI 590664. *Beta vulgaris* L. ssp. *vulgaris*
Breeding. "FC 701/4(4X)". GP-12. Breeding line. Autotetraploid ($2n=4X=36$) equivalent of FC 701/4. Resistant to rhizoctonia root rot.